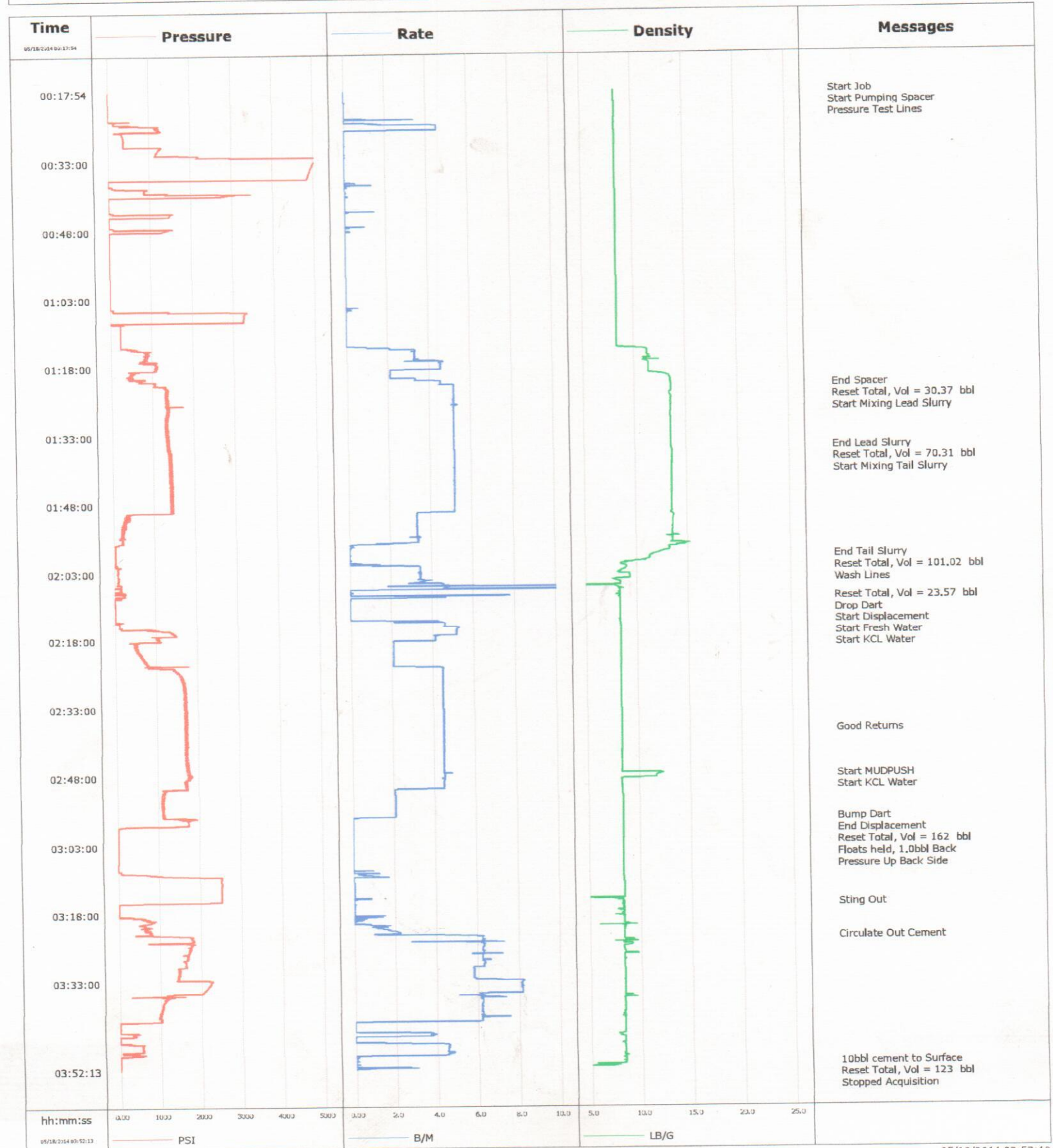


Cementing Job Report

Well Razor Federal 26J-2309A
Field Wildcat
Engineer Michael Simon/ T Tischmak
Country United States

Client Whiting Oil Gas
SIR No. CMI1-00941
Job Type 4 1/2 Liner
Job Date 05-17-2014



Cementing Service Report

Customer	Whiting Oil & Gas	Job Number	CM11-00941
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Well	Razor Federal 26J-2309A 26J-2309A	Location (legal)	Cheyenne	Schlumberger Location	Rock Springs	Job Start	May/17/2014
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Field	Wildcat	Formation Name/Type		Deviation		Bit Size	6.1 in	Well MD	13523.0 ft	Well TVD	
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County	Weld	State/Province	Colorado	BHP		BHST	200 degF	BHCT	200 degF	Porc Press, Gradient	
Well Master	0631496880	API/UWI	05123380440000								

Rig Name	Xtreme 18	Drilled For	Oil & Gas	Service Via	Land	Casing/Liner				
Offshore Zone		Well Class	New	Well Type	Development	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
						13520.4	4.500	11.6	P110	8RD
						0.0	0.000	0.0		

Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe				
Service Line	Cementing	Job Type	4 1/2 Liner			Depth,	Size,	Weight,	Grade	Thread

Max. Allowed Tub. Press	4000 psi	Max. Allowed Ann. Press		WH Connection	4 1/2" XH DP pin	Perforations/Open Hole				
Service Instructions						Top,	Bottom,		No. of Shots	Total Interval

Treat Down	Drill Pipe	Displacement	165.0 bbl	Packer Type		Packer Depth	
Tubing Vol.	31.0 bbl	Casing Vol.	134.0 bbl	Annular Vol.	144.0 bbl	Openhole Vol.	

Casing/Tubing Secured	<input checked="" type="checkbox"/>	1 Hole Vol. Circulated prior to Cement	<input checked="" type="checkbox"/>	Casing Tools		Squeeze Job	
Lift Pressure	9861 psi	Shoe Type	Float	Squeeze Type			
Pipe Rotated	<input type="checkbox"/>	Pipe Reciprocated	<input type="checkbox"/>	Shoe Depth		13520.4 ft	
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth	
Cement Head Type		Stage Tool Depth		Tail Pipe Size			
Job Scheduled For	May/17/2014	Arrived on Location	May/17/2014	Leave Location	May/17/2014	Collar Type	
						Float	
						Collar Depth	
						13473.6 ft	
						Sqz. Total Vol.	

Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message
05/17/2014	18:53:52						Started Acquisition
05/18/2014	00:17:54	2	0.0	8.34	0.0	0.0	
05/18/2014	00:17:55						Start Job
05/18/2014	00:17:55	2	0.0	8.34	0.0	0.0	
05/18/2014	00:18:03						Start Pumping Spacer
05/18/2014	00:18:03	2	0.0	8.34	0.0	0.0	
05/18/2014	00:18:05						Pressure Test Lines
05/18/2014	00:18:05	2	0.0	8.34	0.0	0.0	
05/18/2014	00:20:52	2	0.0	8.34	0.0	0.0	
05/18/2014	00:23:52	0	0.0	8.34	0.0	0.0	
05/18/2014	00:26:52	340	0.0	8.33	6.5	6.5	
05/18/2014	00:29:52	1281	0.0	8.34	6.5	6.5	
05/18/2014	00:32:52	5048	0.0	8.34	6.5	6.5	
05/18/2014	00:35:52	4879	0.0	8.34	6.5	6.5	
05/18/2014	00:38:52	902	0.0	8.34	6.6	6.6	
05/18/2014	00:41:52	-1	0.0	8.34	6.6	6.6	
05/18/2014	00:44:52	1444	0.0	8.34	6.7	6.7	
05/18/2014	00:47:52	1346	0.0	8.34	6.8	6.8	
05/18/2014	00:50:52	3	0.0	8.34	6.8	6.8	
05/18/2014	00:53:52	3	0.0	8.34	6.8	6.8	
05/18/2014	00:56:52	3	0.0	8.34	6.8	6.8	

Well			Field		Job Start		Customer		Job Number
Razor Federal 26J-2309A 26J-2309A			Wildcat		May/17/2014		Whiting Oil & Gas		CM11-00941
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message		
05/18/2014	01:02:52	3	0.0	8.34	6.8	6.8			
05/18/2014	01:05:52	1425	0.0	8.34	6.9	6.9			
05/18/2014	01:08:52	242	0.0	8.34	6.9	6.9			
05/18/2014	01:11:52	243	0.0	8.34	6.9	6.9			
05/18/2014	01:14:52	906	3.3	11.28	9.6	9.6			
05/18/2014	01:17:52	1124	4.5	11.35	20.9	20.9			
05/18/2014	01:20:52	688	3.3	13.45	29.7	29.7			
05/18/2014	01:21:59						End Spacer		
05/18/2014	01:21:59	1330	4.5	13.51	34.3	34.3			
05/18/2014	01:22:00						Reset Total, Vol = 30.37 bbl		
05/18/2014	01:22:00	1313	4.8	13.51	34.4	34.4			
05/18/2014	01:22:23						Start Mixing Lead Slurry		
05/18/2014	01:22:23	1340	5.2	13.54	36.3	2.0			
05/18/2014	01:23:52	1325	5.2	13.46	44.0	9.6			
05/18/2014	01:26:52	1359	5.2	13.49	59.5	25.1			
05/18/2014	01:29:52	1318	5.2	13.48	75.0	40.6			
05/18/2014	01:32:52	1386	5.2	13.52	90.5	56.1			
05/18/2014	01:35:33						End Lead Slurry		
05/18/2014	01:35:33	1351	5.2	13.52	104.3	70.0			
05/18/2014	01:35:37						Reset Total, Vol = 70.31 bbl		
05/18/2014	01:35:37	1381	5.2	13.52	104.7	70.3			
05/18/2014	01:35:42						Start Mixing Tail Slurry		
05/18/2014	01:35:42	1353	5.2	13.52	105.1	0.4			
05/18/2014	01:35:52	1370	5.2	13.52	106.0	1.3			
05/18/2014	01:38:52	1427	5.2	13.52	121.5	16.8			
05/18/2014	01:41:52	1447	5.2	13.51	137.0	32.3			
05/18/2014	01:44:52	1448	5.2	13.52	152.4	47.7			
05/18/2014	01:47:52	1405	5.2	13.51	167.9	63.2			
05/18/2014	01:50:52	403	3.3	13.69	181.7	77.0			
05/18/2014	01:53:52	258	3.3	13.58	191.7	87.0			
05/18/2014	01:56:52	49	1.4	13.29	201.4	96.8			
05/18/2014	01:59:28						End Tail Slurry		
05/18/2014	01:59:28	39	0.0	11.63	201.7	97.0			
05/18/2014	01:59:30						Reset Total, Vol = 101.02 bbl		
05/18/2014	01:59:30	39	0.0	11.60	201.7	97.0			
05/18/2014	01:59:41						Wash Lines		
05/18/2014	01:59:41	39	0.0	11.33	201.7	0.0			
05/18/2014	01:59:52	39	0.0	11.31	201.7	0.0			
05/18/2014	02:02:52	108	3.4	8.51	206.2	4.5			
05/18/2014	02:05:52	165	4.6	8.40	216.9	15.2			
05/18/2014	02:08:44						Reset Total, Vol = 23.57 bbl		
05/18/2014	02:08:44	6	2.8	8.17	225.3	23.6			
05/18/2014	02:08:46						Drop Dart		
05/18/2014	02:08:46						Start Displacement		
05/18/2014	02:08:46	5	1.0	8.22	225.3	0.1			
05/18/2014	02:08:52	11	0.0	8.33	225.4	0.1			
05/18/2014	02:08:53						Start Fresh Water		
05/18/2014	02:08:53	14	0.0	8.33	225.4	0.1			
05/18/2014	02:11:52	25	0.0	8.34	225.4	0.1			
05/18/2014	02:12:24						Start KCL Water		
05/18/2014	02:12:24	26	0.0	8.34	225.4	0.1			
05/18/2014	02:14:52	126	4.6	8.33	230.1	4.8			
05/18/2014	02:17:52	1066	4.1	8.34	244.7	19.4			
05/18/2014	02:20:52	569	2.1	8.34	251.9	26.7			

Well			Field		Job Start		Customer		Job Number
Razor Federal 26J-2309A 26J-2309A			Wildcat		May/17/2014		Whiting Oil & Gas		CM11-00941
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Stage BBL	Message		
05/18/2014	02:26:52	1610	4.5	8.34	270.9	45.7			
05/18/2014	02:29:52	1722	4.5	8.34	284.4	59.1			
05/18/2014	02:32:52	1709	4.5	8.34	297.8	72.5			
05/18/2014	02:35:52	1673	4.5	8.34	311.2	85.9			
05/18/2014	02:37:49						Good Returns		
05/18/2014	02:37:49	1691	4.5	8.34	319.9	94.6			
05/18/2014	02:38:52	1727	4.5	8.34	324.6	99.3			
05/18/2014	02:41:52	1671	4.5	8.34	338.0	112.8			
05/18/2014	02:44:52	1689	4.5	8.34	351.5	126.2			
05/18/2014	02:47:46						Start MUDPUSH		
05/18/2014	02:47:46	1806	4.5	11.94	364.5	139.2			
05/18/2014	02:47:52	1849	4.5	11.78	364.9	139.6			
05/18/2014	02:48:57						Start KCL Water		
05/18/2014	02:48:57	1711	4.5	8.29	369.8	144.5			
05/18/2014	02:50:52	1133	3.3	8.33	378.3	153.0			
05/18/2014	02:53:52	1089	2.1	8.34	384.5	159.2			
05/18/2014	02:56:52	1116	2.1	8.34	390.7	165.4			
05/18/2014	02:57:10						Bump Dart		
05/18/2014	02:57:10	1738	0.0	8.34	391.2	165.9			
05/18/2014	02:57:11						End Displacement		
05/18/2014	02:57:11	1931	0.0	8.34	391.2	165.9			
05/18/2014	02:57:22						Reset Total, Vol = 162 bbl		
05/18/2014	02:57:22	1770	0.0	8.34	391.2	165.9			
05/18/2014	02:59:24						Floats held, 1.0bbl Back		
05/18/2014	02:59:24	26	0.0	8.34	391.2	0.0			
05/18/2014	02:59:52	26	0.0	8.34	391.2	0.0			
05/18/2014	02:59:56						Pressure Up Back Side		
05/18/2014	02:59:56	25	0.0	8.34	391.2	0.0			
05/18/2014	03:02:52	27	0.0	8.35	391.2	0.0			
05/18/2014	03:05:52	25	0.0	8.35	391.2	0.0			
05/18/2014	03:08:52	81	0.0	8.35	391.2	0.1			
05/18/2014	03:11:52	2524	0.0	8.41	392.1	1.0			
05/18/2014	03:14:52	2513	0.0	3.69	392.2	1.1			
05/18/2014	03:15:53						Sting Out		
05/18/2014	03:15:53	14	0.0	8.32	392.2	1.1			
05/18/2014	03:17:52	18	0.0	8.30	392.3	1.1			
05/18/2014	03:20:52	657	1.0	8.34	393.3	2.1			
05/18/2014	03:23:13						Circulate Out Cement		
05/18/2014	03:23:13	1766	6.2	8.35	398.8	7.7			
05/18/2014	03:23:52	1838	6.3	8.97	402.9	11.7			
05/18/2014	03:26:52	1708	6.3	8.46	421.5	30.4			
05/18/2014	03:29:52	1483	5.8	8.35	440.4	49.2			
05/18/2014	03:32:52	2263	8.2	8.33	458.2	67.1			
05/18/2014	03:35:52	1259	6.1	8.34	482.2	91.0			
05/18/2014	03:38:52	1032	6.2	8.34	500.7	109.6			
05/18/2014	03:41:52	13	0.8	8.35	519.1	127.9			
05/18/2014	03:44:52	366	3.7	7.94	521.7	130.5			
05/18/2014	03:47:52	555	4.5	8.35	528.6	137.4			
05/18/2014	03:50:41						10bbl cement to Surface		
05/18/2014	03:50:41	17	0.0	8.35	534.6	143.5			
05/18/2014	03:50:46						Reset Total, Vol = 123 bbl		
05/18/2014	03:50:46	17	0.0	8.30	534.6	143.5			
05/18/2014	03:50:52	16	0.0	8.23	534.6	0.0			
05/18/2014	03:52:13	3	0.0	0.07	535.3	0.7			

Well Razor Federal 26J-2309A 26J-2309A	Field Wildcat	Job Start May/17/2014	Customer Whiting Oil & Gas	Job Number CM11-00941
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
3.8		0.0	16.9	171.0	0.0	34.3		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density	
5136	13	970	1700					
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume		
	168.0 bbl		162.0 bbl	60 degF	<input checked="" type="checkbox"/>	10.0 bbl		
					Washed Thru Perfs	<input type="checkbox"/>		
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed		
Kevin Moseley			Michael Simon/ T Tischmak		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
					-	-		